Patent Application
Attorney Docket No.PC9990B

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Chikara Uchida, et al. :

APPLICATION NO.: To Be Assigned : Examiner: To Be Assigned

FILING DATE: Herewith : Group Art Unit: To Be Assigned

TITLE: Imidazopyridine Compounds as 5-HT4 Receptor Modulators :

Mail Stop Patent Application

Hon. Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. § 1.97 ET SEQ.

Applicant(s) herein make(s) available to the U.S. Patent and Trademark Office a copy of PTO-FB-A820 which lists the references cited by the applicant(s). Copies of two of the citations are enclosed. All other citations have already been submitted with U.S. Ser. No. 10/251,109.

The Examiner is requested to consider carefully the complete text of these references in connection with the examination of the above-identified application in accord with 37 C.F.R. § 1.104(a). It is believed the Examiner will concur with applicant's belief that the subject matter presently claimed is neither anticipated nor rendered obvious by the foregoing references. .

It is requested that the references listed on the attached form PTO-FB-A820 be included in the "References Cited" portion of any patent issuing from this application (M.P.E.P. § 1302.12).

A prompt and favorable response is earnestly solicited.

Respectfully submitted,

Date: July 10, 2003

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	US	5	1	3	7	8	9	3	08/11/92	Becker, et al.	514	293	
	US	5	2	1	9	8	5	0	06/15/93	Becker, et al.	514	214	
	US	5	4	3	4	1	6	1	07/18/95	Becker, et al.	514	300	
	US	5	5	9	1	7	4	9	01/07/97	Bekcer, et al.	514	300	
	US	5	6	0	4	2	3	9	02/18/97	Becker, et al.	514	300	
	US	5	9	6	8	9	6	5	10/19/99	Dinsmore, et al.	514	300	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
	WO	9	2	1	5	5	9	3	09/17/92	International	C07D	519/00		
	WO	9	4	0	8	9	9	8	04/28/94	International	C07D	417/04		
	WO	9	6	0	5	1	6	6	02/22/96	International	C07C	211/35	X	
	WO	9	7	2	7	8	5	2	08/07/97	International	A61K	31/415		
	WO	9	7	3	8	6	6	5	10/23/97	International	A61K			
	WO	9	9	5	0	2	4	7	10/07/99	International	C07D	211/14		
	WO	9	9	5	0	2	6	4	10/07/99	International	C07D	401/14		X
	WO	0	1	0	5	7	6	3	01/25/01	International	C07D	211/00		
	WO	0	1	1	4	3	3	1	03/01/01	International	C07D	211/00		
	EP	0	2	4	3	9	5	9	4/29/87	Europe	C07D	265/30		
	EP	0	2	7	4	8	6	7	04/13/94	Europe	C07D	233/60		
	EP	0	5	0	4	6	7	9	09/23/92	Europe	C07D	519/00		
	EP	1	2	1	7	0	0	0	06/26/02	Europe	C07D	401/00		
	JP	Hei 1-	2	5	8	6	7	4	10/16/89	Japan	C07D	453/02	X	
	JP	2001-	6	8	7	7			01/12/01	Japan	H05B	33/14	X	

OTHER DOCUMENTS (*Including Author, Title, Date, Pertinent Pages, Etc.*)

			Dumuis, et al. "A 5HT Receptor in the Central Nervous System, Positively Coupled with Adnylate Cyclase, is Antagonized by ICS 205 930", Eur. Journal of Pharmacology **146**, pp. 187-188 (1988)

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			Dumuis, et al., "The Gastrointestinal Prokinetic Benzamide Derivatives are Agonists at the Non-Classical 5-HT Receptor (5-HT4) Positively Coupled to Adenylate Cyclase in Neurons", Naunyn-Schmiedeberg's Archives of Pharmacology **340**, pp. 403-410 (1989)
			Bockaert, et al., "The 5-HT4 Receptor: A Place in the Sun", TiPs Reviews **13**, pp. 141-145 (1992)
			Ford, et al., "The 5-HT4 Receptor", Medicinal Research Reviews **13**(6), pp. 633-662 (1993)
			Gullikson, et al., "Gastrointestinal Motility Responses to the S and R Enantiomers of Zacopride, a 5-HT4 Agonist and 5-HT3 Antagonist", Drug Development Research **26**, pp. 405-417 (1992)
			Eglen, et al. " Central 5-HT4 Receptors", TiPs Review **16**, pp. 391-398 (1995)
			Bockaert, et al., "5-HT4 Receptors", CNS Drugs **1**(1), pp. 6-15 (1994)
			Romanelli, et al., "Synthesis and Biological Activity of a Series of Aryl Tropanyl Esters and Amides Chemically Related to 1H-indole-3-caroxylic Acid endo 8-Methyl-8-azabicyclo [3.2.1]oct-3-yl Ester", Arzneim. Forsch/Drug Res. **43(II)** (8), pp. 913-918 (1993)
			Kaumann, et al., "A 5-HT4-like Receptor in Human Right Atrium", Naunyn-Schmiedeberg's Archives of Pharmacology **344**, pp. 150-159 (1991)
			Mutterer, et al., "Halogenated pyridines v. fluorinated and brominated pyridine compounds", Helv. Chim. Acta **59** Fasc. 1 (23-24), pp. 229-235 (Translation from German article) (1976)
			Barlow, et al., "Diels-Alder Reactions of trichloro-1,2,4-triazine: Intramolecular Additions with 1,5 and 1,6 Dienes", J. Chem. Soc. Perkin Trans. 1, pp. 519-524 (1995)
			Lantos, et al., "Nove Cage Compunds from Inter-intra-molecular Diels-Alder Reactions of 1,2,4-Triazines with Cyclo-octa-15-diene", J. Chem. Soc, Chem. Commun., pp. 1482 (1988)
			T.W. Greene, et al., "Protection for the hydroxyl Group, Including 1,2- and 1,3-Diols", Protective Groups in Organic Synthesis, 2nd Edition, pp. 10-142 (1991)
			T.W. Greene, et al., "Protection for the Amino Group", Protective Groups in Organic Synthesis, 2nd Edition, pp. 309-405 (1991)
			T. W. Greene, et al., "Protection for the Carboxyl Group", Protective groups on Organic Synthesis, 3rd Edition, pp. 369-377
			Feibush, et al., "Chiral Separation of Heterocyclic Drugs by HPLC: Solute-Stationary Phase Base-Pair Interactions", J. Am. Chem. Soc. **108**, pp. 3310-3318 (1986)
			Baxter, et al., "5-Hydroxytryptamine4 Receptors Mediate Relaxation of the Rat Oesophageal Tunica Muscularis Mucosae", Naunyn-Schmiedeberg's Arch. Pharm. **343**, pp. 439-446 (1991)
			Mine, et al., "Comparision of Effect of Mosapride Citrate and Existing 5-HT4 Receptor", JPET **283**(3), pp. 1000-1008 (1997)
			Reeves, et al, "Investigation into the 5-hydroxytryptamine Receptor Mediating Smooth Muscle Relaxation in the Rat Oesophagus", Br. J. Pharmacol. **104**, pp. 1067-1072 (1991)
			Coldwell, et al., "The Synthesis, and Dopamine D2 and Serotonin 5-HT3 Receptor Affinity of 3-Aza Analogues (Pyridyl) of 4-Amino-5-chloro-2-methoxybenzamides", Bioorg. & Med. Chemistry Letters **5**(1), pp. 39-42 (1995)
			Itoh, et al., "Synthesis and Pharmacological Evaluation of Carboxamide Derivatives as Selective Serotoninergic 5-HT4 Receptor Agonists", Eur. J. Med. Chem. **34**, pp. 329-341 (1999)
			Grob, et al., "Polar Substituent Effects in the Solvolysis of Primary and Tertiary Alkyl Halides. Polar Effect IX", Helv. Chim. Acta **63**(8) (226), pp. 2152-2158 (1980)
			Prugh, et al., "A Simple Method of Protecting a Secondary Amine with tert Butyloxycarbonyl (BOC) in the Presence of a Primary

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			Amien", Synthetic Communications **22**(16), pp. 2357-2360 (1992)
			Kimpe, et al., "A Convenient Synthesis of 1-Chloro-2-alkanones", Synthesis **2**, pp. 188-190 (1987)
			Blanco, et al., "Halogenation of Enol Silyl Ethers. Synthesis of Various Types of α-Bromocarbonyl Compounds", Synthesis, pp. 194-196 (1976)
			Feibush, et al., "Chiral Separation of Heterocyclic Drugs by HPLC:Solute-Stationary Phase Base-Pair Interactions", J. Am. Chem. Soc. **108**, pp. 3310-3318 (1986)
			Lopez-Rodriguez, et al., "Benimidazole Derivatives. Part1: Synthesis and Structure-Activity Relationships of New Benzimidasole-4-carboxamides and Carboxylates as Potent and Selective 5-HT4 Receptor Antagonists", Bioorg. & Med. Chemistry **7**, pp. 2271-2281 (1999)
			Klein, et al., "Design of a New Class of Orally Active Fibrinogen Receptor Antagonists", J. Med. Chem. **41**, pp. 2492-2502 (1998)
			Maisano, et al., "Cisapride and Dexamethasone in the Prevention of Delayed Emesis after Cisplatin Administration", Support Care Center **9**, pp. 61-64 (2000)

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Conforms with FORM PTO-FB-A820 **INFORMATION DISCLOSURE**